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AFT 34 AMDT.

CLAIMS

1. A fluid-dispenser valve (10) comprising a valve body (11), and a valve member (12) slidable in said valve body (11) between a rest position and a dispensing position,
5 said valve (10) being characterized in that it includes temperature regulator means (12, 20) for limiting cooling of the valve member (12) while the fluid is being dispensed.
- 10 2. A valve according to claim 1, in which said temperature regulator means comprise a valve member (12) made, at least in part, of a thermally-conductive material.
- 15 3. A valve according to claim 2, in which said valve member (12) includes an inner portion, slidable inside the valve body (11), and made of a first material, and an outer portion, extending, at least in part, outside the valve body, and made of a second material that is
20 thermally conductive, said inner and outer portions being secured to each other, in particular by overmolding.
4. A valve according to any preceding claim, in which said temperature regulator means comprise a head (30) co-
25 operating with said valve member (12), said head (30) being made of a thermally-conductive material.
5. A valve according to any preceding claim, in which said temperature regulator means comprise cooling plates
30 (20) co-operating with said valve member (12).
6. A valve according to claim 5, in which said plates (20) are disposed around said valve member (12).
- 35 7. A valve according to claim 5, in which said plates (20) are disposed in a head (30) co-operating with said valve member (12).

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8. A valve according to any one of claims 5 to 7, in which said plates (20) extend approximately parallel to one another, and substantially transversely to the central axis of said valve member (12).

9. A valve according to any one of claims 5 to 8, in which said plates (20) are made of a thermally-conductive material.

10. A valve according to claim 2, 3, 4, or 9, in which said thermally-conductive material is a metal, in particular aluminum.

11. A valve according to any preceding claim, operating with a propellant gas so as to dispense the fluid.

12. A valve according to claim 11, in which said propellant gas comprises gases of the HFA-134a or HFA-227 type.

13. A valve according to any preceding claim, in which said valve (10) is a metering valve, said valve body (11) including a valve chamber (15) defining a volume of fluid to be dispensed each time the valve (10) is actuated.

14. A valve according to claim 13, in which said volume of fluid dispensed at each actuation is greater than 500 μ l.

15. A fluid dispenser device comprising a fluid reservoir (1), said device being characterized in that it further comprises a valve (10) according to any one of claims 1 to 14.

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16. A device according to claim 15, including a dispenser head (30) mounted on the valve member (12) of said valve (10).

- 5 17. A device according to claim 16, in which said dispenser head (30), and in particular the portion (31) co-operating with the valve member (12), includes said temperature regulator means (20).